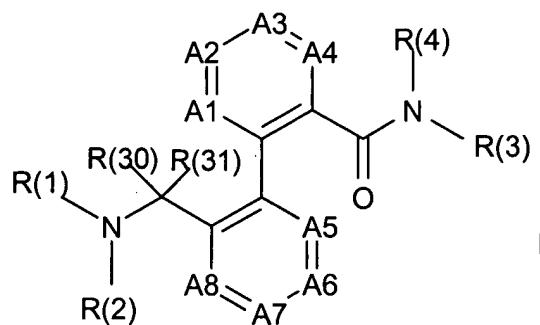


AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A compound of the formula I,



in which:

A1, A2, A3, A4, A5, A6, A7 and A8

independently of one another are chosen from nitrogen, and CH and CR(5), at least one of these groups being nitrogen and at least 4 of these groups being CH;

R(1) is C(O)OR(9), ~~SO₂R(10), COR(11), C(O)NR(12)R(13) or C(S)NR(12)R(13);~~
wherein R(9), R(10), R(11) and R(12)

independently of one another are is $C_xH_{2x}-R(14)$;

where x is 0, 1, 2, 3 or 4, and

x cannot be 0 if R(14) is OR(15) or SO₂Me;

R(14) is alkyl having 1, 2, 3, 4, 5 or 6 atoms, cycloalkyl having 3, 4, 5, 6, 7, 8, 9, 10 or 11 carbon atoms, CF_3 , C_2F_5 , C_3F_7 , CH_2F , CHF_2 , OR(15), SO_2Me , substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted biphenylyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or

unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,

where the substituted phenyl, substituted naphthyl, substituted biphenyl, substituted furyl, substituted thiienyl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF₃, OCF₃, NO₂, CN, COOMe, CONH₂, COMe, NH₂, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;

R(15) is alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF₃ substituted phenyl or unsubstituted phenyl,

wherein the substituted phenyl is substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF₃, NO₂, CN, COOMe, CONH₂, COMe, NH₂, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino; and

R(13) is hydrogen, alkyl having 1, 2, 3 or 4 carbon atoms or CF₃;

R(2) is hydrogen, ~~alkyl having 1, 2, 3 or 4 carbon atoms or CF₃~~;

R(3) is CyH_{2y}-R(16);

where y is 0, 1, 2, 3 or 4, and

~~y cannot be 0 if R(16) is OR(17) or SO₂Me~~;

R(16) is alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms, or cycloalkyl having 3, 4, 5, 6, 7, 8, 9, 10 or 11 carbon atoms, CF₃, C₂F₅, C₃F₇, CH₂F, CHF₂,

~~OR(17), SO_2Me , substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,~~

~~where the substituted phenyl, substituted naphthyl, substituted furyl, substituted thienyl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3 , OCF_3 , NO_2 , CN, COOMe , CONH_2 , COMe , NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamine; and~~

~~R(17) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF_3 , substituted phenyl, unsubstituted phenyl, substituted 2, 3 or 4 pyridyl, or unsubstituted 2, 3 or 4 pyridyl,~~

~~where the substituted phenyl and substituted 2, 3 or 4 pyridyl are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3 , OCF_3 , NO_2 , CN, COOMe , CONH_2 , COMe , NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamine;~~

or

~~R(3) is $\text{CHR}(18)\text{R}(19)$;~~

~~where R(18) is hydrogen or $\text{C}_z\text{H}_{2z}\text{R}(16)$, where R(16) is defined as indicated above;~~

~~z is 0, 1, 2 or 3;~~

~~R(19) is COOH , CONH_2 , $\text{CONR}(20)\text{R}(21)$, $\text{COOR}(22)$ or CH_2OH ;~~

R(20) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, C_vH_{2v}

CF_3 , substituted C_wH_{2w} phenyl or unsubstituted C_wH_{2w} phenyl,

where the phenyl ring of the substituted C_wH_{2w} phenyl is substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3 , NO_2 , CN, COOMe, $CONH_2$, COMe, NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylarnino;

v is 0, 1, 2 or 3;

w is 0, 1, 2 or 3;

R(21) is hydrogen or alkyl having 1, 2, 3, 4 or 5 carbon atoms; and

R(22) is alkyl having 1, 2, 3, 4 or 5 carbon atoms;

R(4) is hydrogen, alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms or CF_3 ;

or

R(3) and R(4)

together are a chain of 4 or 5 methylene groups, of which one methylene group can be replaced by O, S, NH, N(methyl) or N(benzyl);

R(5) is independently of one another chosen from F, Cl, Br, I, CF_3 , NO_2 , CN, COOMe, $CONH_2$, COMe, NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl or methylsulfonylarnino, where in the case that more than one of the radicals A1 to A8 have the meaning CR(5), the radicals R(5) are defined independently of one another.

R(30) and R(31)

independently of one another are hydrogen or alkyl having 1, 2 or 3 carbon atoms;

or

R(30) and R(31)

together are oxygen or a chain of 2 methylene groups;

or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of any such compounds in any ratio.

2. (Currently amended) The compound as claimed in claim 1, wherein:
A1, A2, A3, A4, A5, A6, A7 and A8

independently of one another are chosen from nitrogen, and CH and CR(5), at least one one of these groups being nitrogen and at least 4 of these groups being CH;

R(1) is C(O)OR(9); ~~SO₂R(10)~~, ~~COR(11)~~ or ~~C(O)NR(12)R(13)~~
wherein R(9), R(10), R(11) and R(12)

~~independently of one another are is~~ C_xH_{2x} -R(14);

where x is 0, 1, 2, 3 or 4; and

x cannot be 0 if R(14) is OR(15);

R(14) is alkyl having 1, 2, 3 or 4 carbon atoms, cycloalkyl having 3, 4, 5, 6, 7, 8 or 9 carbon atoms, CF₃, OR(15), substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted biphenyl, substituted or unsubstituted furyl, substituted or unsubstituted thieryl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,

where substituted phenyl, substituted naphthyl, substituted biphenyl, substituted furyl, substituted thieryl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF₃, OCF₃, NO₂, CN, COOMe, CONH₂, COMe, NH₂, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;

R(15) is alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF_3 , substituted phenyl or unsubstituted phenyl, wherein the substituted phenyl is substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3 , NO_2 , CN, COOMe , CONH_2 , COMe , NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino; and

R(13) is hydrogen, alkyl having 1, 2, 3 or 4 carbon atoms or CF_3 ;

R(2) is hydrogen, ~~alkyl having 1, 2, 3 or 4 carbon atoms or CF_3~~ ;

R(3) is $\text{C}_y\text{H}_{2y}\text{-R(16)}$;
where y is 0, 1, 2, 3 or 4, and
~~y cannot be 0 if R(16) is OR(17) or SO_2Me~~ ;

R(16) is alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms, or cycloalkyl having 3, 4, 5, 6, 7, 8, 9, carbon atoms, ~~CF_3 , OR(17) , SO_2Me , substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted furyl, substituted or unsubstituted thieryl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,~~
~~where the substituted phenyl, substituted naphthyl, substituted furyl, substituted thieryl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3 , OCF_3 , NO_2 , CN, COOMe , CONH_2 , COMe , NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;~~

R(17) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF_3 , substituted phenyl, unsubstituted phenyl, substituted 2-, 3- or 4- pyridyl, or unsubstituted 2-, 3- or 4- pyridyl where the substituted phenyl or substituted 2-, 3- or 4- pyridyl are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3 , OCF_3 , NO_2 , CN, COOMe , CONH_2 , COMe , NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamine;

or

R(3) is $\text{CHR}(18)\text{R}(19)$;

where R(18) is hydrogen or C_zH_{2z} R(16), where R(16) is defined as indicated

above;

z is 0, 1, 2 or 3;

R(19) is CONH_2 , $\text{CONR}(20)\text{R}(21)$, $\text{COOR}(22)$ or CH_2OH ;

R(20) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, C_vH_{2v}

CF_3 , substituted C_wH_{2w} phenyl, or substituted C_wH_{2w} phenyl,

where the phenyl ring of the substituted C_wH_{2w} phenyl is substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3 , OCF_3 , NO_2 , CN, COOMe , CONH_2 , COMe , NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamine;

v is 0, 1, 2 or 3;

w is 0, 1, 2 or 3;

R(21) is hydrogen or alkyl having 1, 2, 3, 4 or 5 carbon atoms; and

R(22) is alkyl having 1, 2, 3, 4 or 5 carbon atoms;

R(4) is hydrogen, alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms or CF_3 ;

R(5) is independently of one another chosen from F, Cl, Br, I, CF_3 , NO_2 , CN,

COOMe , CONH_2 , COMe , NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms,

alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl,

methylsulfonyl and methylsulfonyl amino;

R(30) and R(31)

independently of one another are hydrogen or alkyl having 1, 2 or 3 carbon atoms;

or

R(30) and R(31)

are a chain of 2 methylene groups;

or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of any such compounds in any ratio.

3. (Cancelled)

4. (Cancelled)

5. (Currently amended) The compound as claimed in claim 1, wherein:

in which:

A1, A2, A3, A4, A5, A6, A7 and A8

independently of one another are chosen from nitrogen, and CH and CR(5), at least one and at most two one of these groups are nitrogen and at least 4 of these groups are CH;

R(1) is C(O)OR(9) , $\text{SO}_2\text{R(10)}$, COR(11) or C(O)NR(12)R(13) ;

where R(9), R(10), R(11) and R(12)

independently of one another are C_xH_{2x} -R(14);

x is 0, 1, 2, 3 or 4;

R(14) is alkyl having 1, 2, 3 or 4 carbon atoms, cycloalkyl having 3, 4, 5, 6, 7, 8 or 9 carbon atoms, CF_3 , substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted biphenyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,

where the substituted phenyl, substituted naphthyl, substituted biphenyl, substituted furyl, substituted thienyl and the substituted N-containing heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF_3 , OCF_3 , NO_2 , CN, COOMe , CONH_2 , COMe , NH_2 , OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamino;

R(13) is hydrogen;

R(2) is hydrogen or methyl;

R(3) is $\text{CyH}_2y\text{-R}(16)$;

where y is 0, 1, 2, 3 or 4; and

~~y cannot be 0 if R(16) is OR(17);~~

R(16) is alkyl having 1, 2, 3, 4, 5 or 6 carbon atoms, ~~or~~ cycloalkyl having 3, 4, 5, 6, 7, 8, 9, carbon atoms, ~~CF_3 , OR(17), SO_2Me , substituted or unsubstituted phenyl, substituted or unsubstituted naphthyl, substituted or unsubstituted furyl, substituted or unsubstituted thienyl or a substituted or unsubstituted N-containing heteroaromatic having 1, 2, 3, 4, 5, 6, 7, 8 or 9 carbon atoms,~~

~~where the substituted phenyl, substituted naphthyl, substituted furyl, substituted thienyl and the substituted N-containing~~

~~heteroaromatic are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF₃, NO₂, OCF₃, CN, COOMe, CONH₂, COMe, NH₂, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamine;~~

~~R(17) is hydrogen, alkyl having 1, 2, 3, 4 or 5 carbon atoms, cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF₃, substituted phenyl, unsubstituted phenyl, substituted 2-, 3- or 4- pyridyl, or unsubstituted 2-, 3- or 4- pyridyl~~

~~where the substituted phenyl or substituted 2-, 3- or 4- pyridyl are each independently substituted by 1, 2 or 3 substituents chosen from F, Cl, Br, I, CF₃, NO₂, CN, COOMe, CONH₂, COMe, NH₂, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl and methylsulfonylamine;~~

~~R(4) is hydrogen or alkyl having 1 or 2 carbon atoms;~~

~~R(5) is independently of one another chosen from F, Cl, Br, I, CF₃, NO₂, CN, COOMe, CONH₂, COMe, NH₂, OH, alkyl having 1, 2, 3 or 4 carbon atoms, alkoxy having 1, 2, 3 or 4 carbon atoms, dimethylamino, sulfamoyl, methylsulfonyl or methylsulfonylamine;~~

~~R(30) and R(31)~~

~~independently of one another are hydrogen or methyl; or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of any such compounds in any ratio.~~

6. (Currently amended) The compound as claimed in claim 5, wherein: A4 is nitrogen and A1, A2, A3, A4, A5, A6, A7 and A8 independently of one another are chosen from CH and CR(5), where at least 5 of these groups are CH;

~~or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of any such compounds in any ratio.~~

7. (Currently amended) The compound as claimed in claim 6, wherein:

R(1) is C(O)OR(9), ~~SO₂R(10)~~, COR(11) or C(O)NR(12)R(13);

~~where R(9), R(10), R(11) and R(12) independently of one another are is~~
 $C_xH_{2x}R(14)$;

where x is 0, 1, 2 or 3;

R(14) is alkyl having 1, 2, 3 or 4 carbon atoms, cycloalkyl having 3, 4, 5, 6, 7, 8 or 9 carbon atoms, CF_3 , substituted phenyl, unsubstituted phenyl, substituted pyridyl, or unsubstituted pyridyl

~~where the substituted phenyl and substituted pyridyl are each independently substituted by 1 or 2 substituents chosen from F, Cl, Br, I, CF_3 , OCF_3 , OH, alkyl having 1, 2 or 3 carbon atoms or alkoxy having 1 or 2 carbon atoms;~~

R(13) is hydrogen;

R(2) is hydrogen;

R(3) is $C_yH_{2y}R(16)$;

y is 0, 1 or 2;

R(16) is alkyl having 1, 2, 3 carbon atoms, ~~or cycloalkyl having 3, 4, 5 or 6 carbon atoms, CF_3 , substituted phenyl, unsubstituted phenyl, substituted pyridyl, or unsubstituted pyridyl~~

~~where the substituted phenyl and substituted pyridyl are each independently substituted by 1 or 2 substituents chosen from F, Cl, CF_3 , alkyl having 1, 2 or 3 carbon atoms and alkoxy having 1 or 2 carbon atoms;~~

R(4) is hydrogen;

R(5) is independently of one another chosen from F, Cl, CF_3 , CN, $COOMe$, $CONH_2$, $COMe$, NH_2 , OH, alkyl having 1, 2 or 3 carbon atoms and alkoxy having 1 or 2 carbon atoms;

R(30) and R(31)

~~independently of one another~~ are hydrogen or methyl;
or a pharmaceutically tolerable salt thereof, in any stereoisomeric form, or a mixture of
any such compounds in any ratio.

8. (Cancelled)

9. (Currently amended) A pharmaceutical preparation composition comprising an
efficacious amount of at least one of the compounds of claim 1 and at least one
additional component chosen from pharmaceutically acceptable vehicles,
pharmaceutically acceptable additives and other pharmacological active compounds.

10. - 18. (Cancelled)